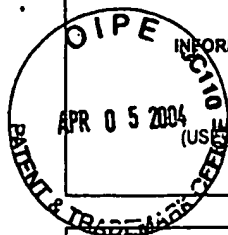


FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
SITECH.017CP1CPAPPLICATION NO.
10771,176INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT
Not Yet NamedFILING DATE
February 3, 2004GROUP
Unknown

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) |
|---------------------|----|-----------------|----------|------------------------------|-------|----------|---------------------------------|
| QSD | 1 | 2,794,002 | 05/28/57 | Haensel et al. | | | |
| QSD | 2 | 3,850,971 | 11/26/74 | Termin et al. | | | |
| QSD | 3 | 4,323,381 | 04/06/82 | Matsuyama et al. | | | |
| QSD | 4 | 4,419,115 | 12/06/83 | Johnson, Jr. et al. | | | |
| QSD | 5 | 4,477,580 | 10/16/84 | Fleming, Jr. | | | |
| QSD | 6 | 4,752,459 | 06/21/88 | Pepper | | | |
| QSD | 7 | 4,810,674 | 03/07/89 | Che et al. | | | |
| QSD | 8 | 4,849,378 | 07/18/89 | Hench et al. | | | |
| QSD | 9 | 4,851,373 | 07/25/89 | Hench et al. | | | |
| QSD | 10 | 4,941,905 | 07/17/90 | Narasimham | | | |
| QSD | 11 | 5,023,208 | 06/11/91 | Pope et al. | | | |
| QSD | 12 | 5,076,980 | 12/31/91 | Nogues et al. | | | |
| QSD | 13 | 5,243,769 | 09/14/93 | Wang et al. | | | |
| QSD | 14 | 5,250,096 | 10/05/93 | Bruce et al. | | | |
| QSD | 15 | 5,264,197 | 11/23/93 | Wang et al. | | | |
| QSD | 16 | 5,352,259 | 10/04/94 | Oku et al. | | | |
| QSD | 17 | 5,922,099 | 07/13/99 | Yoon et al. | | | |
| QSD | 18 | 6,386,002 | 05/14/02 | Bhandarkar et al. | | | |
| QSD | 19 | 6,571,582 | 06/03/03 | Bhandarkar et al. | | | |
| QSD | 20 | 10/062,613 | 02/01/02 | Wang et al. (Claims Section) | | | |
| QSD | 21 | 10/062,746 | 02/01/02 | Wang et al. (Claims Section) | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|---------------------|----|-----------------|----------|---------------|-------|----------|-------------|----|
| | | | | | | | YES | NO |
| | 22 | EP.0131057 | 11/04/87 | Europe | | | | |
| | 23 | GB.2170799-A | 08/13/96 | Great Britain | | | | |

EXAMINER

QSD

DATE CONSIDERED

1/31/06

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
SITECH.017CP1CPAPPLICATION NO.
10/771,176INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT
Not Yet NamedFILING DATE
February 3, 2004GROUP
UnknownEXAMINER
INITIAL

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

- | | |
|----|--|
| 24 | Brinker et al., <u>Sol-Gel Science, The Physics and Chemistry of Sol-Gel Processing</u> , Academic Press (1990), pp. 483-498. |
| 25 | Heaney, A.D., et al., <u>Solgel-derived Photosensitive Germanosilicate-Glass Monoliths</u> , <u>Optics Letters</u> , Vol. 25, No. 24 (December 15, 2000), pp. 1765-1767. |
| 26 | Kawaguchi et al., <u>Structural Changes of Monolithic Silica Gel During the Gel-to-Glass Transition</u> , <u>J. Non-Crystalline Solids</u> , Vol. 82 (1986), pp. 50-56. |
| 27 | Kirkbir et al., <u>Parametric Study of Strength of Silica Gels</u> , <u>J. Non-Crystalline Solids</u> , Vol. 178 (1994), pp. 284-292. |
| 28 | Murata, et al., <u>Drying and Sintering of Large SiO₂ Monoliths</u> , <u>SPIE</u> , Vol. 2288, <u>Sol-Gel Optics III</u> (1994) pp. 709-716. |

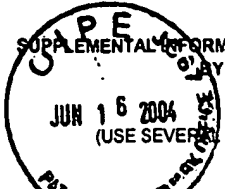
H:\DOCS\BS\BSI-5571.DOC
040204

EXAMINER

DATE CONSIDERED

1/31/06

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

| | | | |
|---|--|---------------------------------------|------------------------------|
| FORM PTO-1449 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. SITECH.017CP1CP | APPLICATION NO. 10771,178 |
|  | | APPLICANTS Chih-Hsing Cheng et al. | |
| | | FILING DATE February 3, 2004 | GROUP 1755 |

U.S. PATENT DOCUMENTS

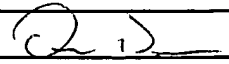
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) |
|---------------------|----|-----------------|----------|-------------------|-------|----------|---------------------------------|
| QSD | 1 | 4,775,401 | 10/04/88 | Fleming et al. | | | |
| QSD | 2 | 5,182,236 | 01/26/93 | Caldwell et al. | | | |
| QSD | 3 | 5,185,020 | 02/09/93 | Satoh et al. | | | |
| QSD | 4 | 5,236,483 | 08/17/93 | Miyashita et al. | | | |
| QSD | 5 | 5,314,520 | 05/24/94 | Yagi et al. | | | |
| QSD | 6 | 5,871,558 | 02/16/99 | Takei et al. | | | |
| QSD | 7 | 6,209,357 B1 | 04/03/01 | Bhandarkar et al. | | | |
| QSD | 8 | 6,442,977 B1 | 09/03/02 | Bhandarkar et al. | | | |
| QSD | 9 | 2003/0210881 A1 | 11/13/03 | Mendoza et al. | | | |
| QSD | 10 | 6,732,549 B1 | 05/11/04 | Lum et al. | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|---------------------|----|-----------------|------|---------|-------|----------|-------------|----|
| | | | | | | | YES | NO |
| | 11 | | | | | | | |
| | 12 | | | | | | | |
| | 13 | | | | | | | |
| | 14 | | | | | | | |
| | 15 | | | | | | | |
| | 16 | | | | | | | |

| EXAMINER INITIAL | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) |
|---------------------|--|
| | 17 |
| | 18 |
| | 19 |
| | 20 |
| | 21 |

H:\DOCS\BSI\BSI-6050.DOC
061104

| | |
|--|-------------------------|
| EXAMINER  | DATE CONSIDERED 1/31/06 |
| *EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT. | |

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
SITECH.017CP1CPAPPLICATION NO.
10/771,176SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
BY APPLICANTAPPLICANTS
Chih-Hsing Cheng et al.FILING DATE
February 3, 2004GROUP
1755

USE SEVERAL SHEETS IF NECESSARY)

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) |
|---------------------|---|-----------------|----------|---------------------|-------|----------|---------------------------------|
| QSD | 1 | 4,104,363 | 08/01/78 | Vozka et al. | | | |
| QSD | 2 | 4,707,174 | 11/17/87 | Johnson, Jr. et al. | | | |
| QSD | 3 | 4,822,136 | 04/18/89 | Hicks, Jr. | | | |
| QSD | 4 | 4,840,653 | 06/20/89 | Rabinovich | | | |
| QSD | 5 | 5,074,633 | 12/24/91 | Cohen et al. | | | |
| QSD | 6 | 5,123,940 | 06/23/92 | DiGiovanni et al. | | | |
| QSD | 7 | 5,380,510 | 01/10/95 | Matsui et al. | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|---------------------|---|-----------------|----------|------------------|-------|----------|-------------|----|
| | | | | | | | YES | NO |
| QSD | 8 | JP-141818 | 08/16/82 | Japan (Abstract) | | | | |

| EXAMINER INITIAL | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) | |
|---------------------|--|--|
| QSD | 9 | Shibata, Shuichi, et al., <i>Fabrication of Fluorine-Doped Silica Glasses by the Sol-Gel Method</i> , <u>Journal of Non-Crystalline Solids</u> , Vol. 100 (1988), pp. 269-273. |

H:\DOCS\BSI\BSI-6503.DOC
081204

| | | | |
|--|------------|-----------------|---------|
| EXAMINER | <i>QSD</i> | DATE CONSIDERED | 1/31/06 |
| *EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT. | | | |

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Multiple sheets used when necessary)

JUN 13 2005

SHEET 1 OF 2

| | |
|----------------------|------------------|
| Application No. | 10/771,176 |
| Filing Date | February 3, 2004 |
| First Named Inventor | Chih-Hsing Cheng |
| Art Unit | 1731 |
| Examiner | Lisa L. Herring |
| Attorney Docket No. | SITECH.017CP1CP |

U.S. PATENT DOCUMENTS

| Examiner Initials | One No. | Document Number | Publication Date | Name of Patentee or Applicant | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
|-------------------|---------|--------------------|------------------|---|--|
| QSD | 1 | 2,092,163 | 09/07/1937 | Johnson et al. | |
| QSD | 2 | 2,441,422 | 05/11/1948 | Kriebel et al. | |
| QSD | 3 | 3,615,312 | 10/26/1971 | Landry et al. | |
| QSD | 4 | 3,782,982 | 01/01/1974 | Pierson et al. | |
| QSD | 5 | 4,317,668 | 03/02/1982 | Susa et al. | |
| QSD | 6 | 4,681,615 | 07/21/1987 | Toki et al. | |
| QSD | 7 | 4,765,818 | 08/23/1988 | Che et al. | |
| QSD | 8 | 4,786,302 | 11/22/1988 | Osafune et al. | |
| QSD | 9 | 5,071,674 | 12/10/1991 | Nogues et al. | |
| QSD | 10 | 5,134,107 | 07/28/1992 | Narula | |
| QSD | 11 | 5,196,382 | 03/23/1993 | Hench et al. | |
| QSD | 12 | 5,221,309 | 06/22/1993 | Kyoto et al. | |
| QSD | 13 | 5,254,508 | 10/19/1993 | Kirkbir et al. | |
| QSD | 14 | 5,343,633 | 09/06/1994 | Wang et al. | |
| QSD | 15 | 5,710,850 | 01/20/1998 | Watanabe et al. | |
| QSD | 16 | 5,895,770 | 04/20/1999 | Pullakat et al. | |
| QSD | 17 | 5,917,109 | 06/29/1999 | Berkey | |
| QSD | 18 | 6,012,304 | 01/11/2000 | Loxley et al. | |
| QSD | 19 | 6,492,072 B2 | 12/10/2002 | Moore et al. | |
| QSD | 20 | 6,541,168 B2 | 04/01/2003 | Brown et al. | |
| QSD | 21 | 6,555,048 B1 | 04/29/2003 | Yoon et al. | |
| QSD | 22 | 6,606,883 B2 | 08/19/2003 | Hrdina et al. | |
| QSD | 23 | 6,620,368 B1 | 09/16/2003 | Wang et al. (Knobbe Martens Atty. Docket No. SITECH.001A) | |
| QSD | 24 | 6,884,822 B2 | 04/26/2005 | Wang et al. (Knobbe Martens Atty. Docket No. SITECH.004CP1) | |
| QSD | 25 | US 2003/0069122 A1 | 04/10/2003 | Wang et al. (Knobbe Martens Atty. Docket No. SITECH.004A) | |
| QSD | 26 | US 2003/0078153 A1 | 04/24/2003 | Wang et al. (Knobbe Martens Atty. Docket No. SITECH.004CP2) | |

Examiner Signature

Date Considered

1/31/06

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T¹ - Place a check mark in this area when an English language Translation is attached.

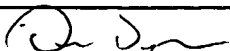
| | | |
|---|----------------------|------------------|
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Multiple sheets used when necessary)</i> SHEET 2 OF 2 | Application No. | 10/771,176 |
| | Filing Date | February 3, 2004 |
| | First Named Inventor | Chih-Hsing Cheng |
| | Art Unit | 1731 |
| | Examiner | Lisa L. Herring |
| | Attorney Docket No. | SITECH.017CP1CP |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|----------|-------------------------------|------------------|---|--|
| Examiner Initials | Cite No. | Document Number | Publication Date | Name of Patentee or Applicant | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
| QJ | 27 | US 2003/0147605 A1 | 08/07/2003 | Wang et al. (Knobbe Martens Atty. Docket No. SITECH.017A) | |
| QJ | 28 | US 2003/0147606 A1 | 08/07/2003 | Wang et al. (Knobbe Martens Atty. Docket No. SITECH.017CP1) | |
| QJ | 29 | U.S. Pat. App. No. 11/115,071 | 04/26/2005 | Wang et al. (Knobbe Martens Atty. Docket No. SITECH.004CP1C1) | |

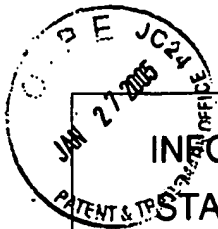
| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|----------|-------------------------------|------------------|------------------------------------|--|----------------|
| Examiner Initials | Cite No. | Foreign Patent Document | Publication Date | Name of Patentee or Applicant | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear | T ¹ |
| | 30 | EP 0 652 184 A1 (Patent) | 05/19/1995 | Alcatel Cable Interface | | |
| QJ | 31 | EP 0 652 184 A1 (Abstract) | 05/19/1995 | Alcatel Cable Interface | | |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|----------|--|----------------|
| Examiner Initials | Cite No. | Include name of the author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ¹ |
| QJ | 32 | SHIBATA, Shuichi, et al., "Fabrication of F-Doped Silica Glasses by the Sol-Gel Method," <u>Journal of Applied Physics</u> , Vol. 23, No. 11, November 1986, pp. L902-L904. | |

1748822
060805

| | |
|--|-------------------------|
| Examiner Signature  | Date Considered 1/31/06 |
| <p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p> | |

T¹ - Place a check mark in this area when an English language Translation is attached.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

| | | |
|---|----------------------|------------------|
| <i>(Multiple sheets used when necessary)</i> SHEET 1 OF 1 | Application No. | 10/771,176 |
| | Filing Date | February 3, 2004 |
| | First Named Inventor | Chih-Hsing Cheng |
| | Art Unit | 1731 |
| | Examiner | Lisa L. Herring |
| | Attorney Docket No. | SITECH.017CP1CP |

U.S. PATENT DOCUMENTS

| Examiner Initials | Cite No. | Document Number | Publication Date | Name of Patentee or Applicant | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
|-------------------|----------|-----------------|------------------|-------------------------------|--|
| QSD | | 4,851,150 | 07/25/1989 | Hench et al. | |
| QSD | | 5,494,863 | 02/27/1996 | Mathur | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials | Cite No. | Foreign Patent Document | Publication Date | Name of Patentee or Applicant | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear | T ¹ |
|-------------------|----------|-------------------------|------------------|-------------------------------|--|----------------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ¹ |
|-------------------|----------|---|----------------|
| | | | |
| | | | |
| | | | |
| | | | |

H:\DOCS\BSI\BSI-7510.DOC
011305

| | |
|--|--------------------------------|
| Examiner Signature <i>1/31/06 QSD</i> | Date Considered <i>1/31/06</i> |
| *Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

T¹ - Place a check mark in this area when an English language Translation is attached.



PTO/SB/08 Equivalent

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Multiple sheets used when necessary)

SHEET 1 OF 1

| | |
|----------------------|------------------|
| Application No. | 10/771,176 |
| Filing Date | February 3, 2004 |
| First Named Inventor | Chih-Hsing Cheng |
| Art Unit | 1731 |
| Examiner | Lisa L. Herring |
| Attorney Docket No. | SITECH.017CP1CP |

U.S. PATENT DOCUMENTS

| Examiner Initials | Cite No. | Document Number | Publication Date | Name of Patentee or Applicant | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
|----------------------|-------------|-----------------|------------------|-------------------------------|--|
| QJ | | 5,391,393 | 02/21/1995 | Maniar | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |


FOREIGN PATENT DOCUMENTS

| Examiner Initials | Cite No. | Foreign Patent Document | Publication Date | Name of Patentee or Applicant | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear | T ¹ |
|----------------------|-------------|-------------------------|---------------------|----------------------------------|--|----------------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ¹ |
|----------------------|-------------|---|----------------|
| | | | |
| | | | |
| | | | |
| | | | |

1983669
101105

| | |
|---|-------------------------|
| Examiner Signature  | Date Considered 1/31/06 |
| *Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

T¹ - Place a check mark in this area when an English language Translation is attached.